Docket No.: A116
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1,0 FIG 1∆

50 SCPMLCTCYS GCPRDCVCYP PCPGACVCYN -CPC-CY-	100 TFGSNLLT HFSPAMVT SFRACRNLTI	150 FQCLERLQSL FQCLVKLHAL FHGLGRLHTL F-GLLL	200 DLANLSHLFL DLVNLSHLFL DLGNLTHLFL DL-NL-HLFL	250 SRLTILYLFN HRLTTLFLFN GRLMTLYLFA -RLL-LF-
LA. LPLAAP SCPI LAGELPLGG. GCPI LWLQAWQVAA PCPI L	NNLIRTLRPG TFGS NNRITFLQQG HFSP GNRISHVPAA SFRACR	RHLRSLEPDT FQG RQLRTLAPET FQG AQLRSVDPAT FHG LRP-T F-G	LLHLQDDLFA DLA IEYLQDDIFV DLV LQALPDDTFR DLG L-DD-F- DL-	GVHRAAFRGL SRL WVHHKAFHDL HRL HVHPHAFRDL GRL -VHAFL -RL
LQAPAS ACLLLML LA. QAAQVS GCCVELLLLL LAC ~MKRAS AGGSRLLAWV LWI	PPSTQRLFLQ NNI PEDSERIFLQ NNI PAASQRIFLH GNI PR-FLN	ALEELDLGDN RHI HLEELDLGDN RQI LLEQLDLSDN AQI -LE-LDL-DN1	LQYLYLQENS LLI LQYLYLQDNH IE LQYLYLQDNA LQ LQYLYLQ-N	RLLLHGNRLQ GV RLLLHENQLQ WV RLLLHQNRVA HV RLLLH-NV
LRRLLQAPAS A(QSPVQAAQVS G(~~~~MKRAS A(NNFSSVPLSL P HNFAAIPEGI P QGLQAVPVGI P	RHLQ FEGFV TGLA	PGNIFRGLVS L PAGIFGGLHS L GPGLFRGLAA L	HVFRGLGSLD R GIFRGLVNLD R RAFRGLHSLD R FRGLLD R
MSWQSGTTVT (51 SP. PTVSCQA 1 AP. MTVSCQA 1 EPKVTTSCPQ 0	101 LWLFSNNLST LWIYSNNITF LWLHSNVLAR LWSN	151 HLYRCQLSSL YLYKCGLSAL HLDRCGLQEL -LC-LL	201 HGNRLRLLTE HGNKLWSLGQ HGNRISSVPE HGN
NOGO-R2 NOGO-R3 NOGO-R1 Consensus	NOGO-R2 NOGO-R3 NOGO-R1 Consensus	NOGO-R2 NOGO-R3 NOGO-R1 Consensus	NOGO-R2 NOGO-R3 NOGO-R1 Consensus	NOGO-R2 NOGO-R3 NOGO-R1 Consensus

Applicant : Strittmatter, S., et al.

Application No. : Not yet assigned

For : NO FORTOR HOMOLOGS

Attorney : Elin Reg. No. 43,117, Tel: (212) 596-9000

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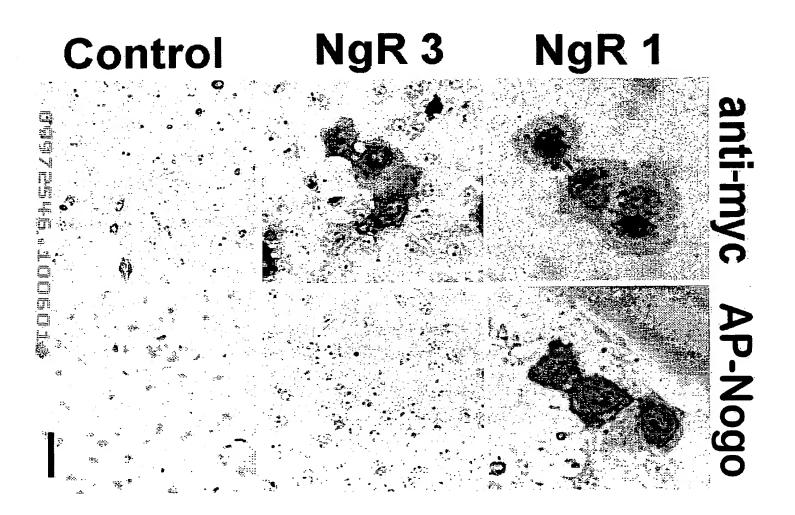
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300 QRARVSSSDV RRFRGSSSAV QKFRGSSSEV R-SSS-V	350 DEEPLGLPKC	400 . TLYRDLPA YKKAGKNCTS PRHI . NDSPF	450 QRGEQMCPGA KRKGKCARRT NRTRSHCRLG	
CRARPLWAWF QRAJ CRARSLWEWL RRFJ CRARPLWAWL QKFJ CRAR-LW-W-		AGAPPADPSTLY HGHPPGSRSG YKKAG GDSPPGNGSG PRHI. PPS-	SFDIMPTARP KRKGI PRRRPGCSRK NRTR	491 HL~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
RLNANPWACD CI RLNGNAWDCG CI RLNDNPWVCD CI RLN-N-W-C- CI	FQACP.P AAPTRPGSRA FRNCTGP VSPHQIKSHT LQGCAVATGP YHPIWTGRAT	G.VAE AVG. ASRDKGHP HIGH CONTROLLE GNALKGRVPP GG. G	DYWGGY DYAPDYQHKF PPGFPTSG	LLCLLLLVPH LLAWILGLAV LTCSLTPLGL L
A LADLPSLEFL C LAPLVALEFL A LAPLRALQYL - LA-LLL	G RDLRALREAD G QDLKLLRVED G RDLKRLAAND G -DLLD	SSSNH LY RKEHHPSH VLEPGRPASA	OGGDAPTE.D V SSGKELTELO P LTAVRPEGSE	G PALSAGLPSP Q ASSGTALGAP G DSEGSGALPS
251 NSLASLPGEA NSLTELQGDC NNLSALPTEA N-LL	301 TCATPPERQG PCATPELRQG PCSLPQRLAG -CPG	351 RGN .LTTSDRAA CQPDAADKAS	401 EDSRGR HRNRNQISKV GTLPGSAEPP	451 ACQAPPDSRG PIRAPSGVQQ QAGSGGGGTG
Ø	σ	Ø	Ø	Ø
NOCO-R2 NOCO-R3 NOCO-R1 Consensus	NOCO-R2 NOCO-R3 NOCO-R1 Consensus	NOGO-R2 NOGO-R3 NOGO-R1 Consensus	NOGO-R2 NOGO-R3 NOGO-R1 Consensus	NOGO-R2 NOGO-R3 NOGO-R1 Consensus

Applicant : Strittmatter, S., et al.
Application No. : Not yet engigned
For : NOC

For : NOC : R HOMOLOGS Attorney : Elinol : 28, No. 43,117, Tel: (212) 596-9000 Docket No.: A116
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3/6 FIG. 2



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For

Applicant

Application No.:

Strittmatter, S., et al. Not y NO

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6	LRR 1			LRR NT	
CPC-CY	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	; ; ; ;	Consensus
CPMLCTCYSS	MLPGLRRLLQ APASACLLLM LLALPLAAPS CPMLCTCYSS	APASACLLLM	MLPGLRRLLQ	5 5 5 5 5	Human NOGO-R2
2 2 2 3 3 4 3 4 4 7	; ; ; ;	; ; ; ;	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	5 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Human NOGO-R3
MSWQSGTTVT QSPVQAAQVS GCCVELLLL LAGELPLGGG CPRDCVCYPA	LAGELPLGGG	GCCVELLLL	QSPVQAAQVS	MSWQSGTTVT	Murine NOGO-R3
CPGACVCYNE	~~~~MKRASS GGSRLLAWVL WLQAWRVATP CPGACVCYNE	GGSRLLAWVL	~~~~MKRASS	5 5 5 5 5 7 7 7 8 7 8 7 8	Murine NOGO-R1
CPGACVCYNE	~~~~MKRASA GGSRLLAWVL WLQAWQVAAP CPGACVCYNE	GGSRLLAWVL	~~~~MKRASA	;	Human NOGO-R1
20				7	

7---100 FRACRINLTIL AMVTL AMVIL FOSCRNLTIL FSP.. FSP. FGS.. " " " EGIP VDSERVFLON NRIGLLOPGH NRITFLOOGH P. PTVSCQAN NFSSVPLSLP PSTQRLFLQN NLIRTLRPGT NRISHVPAAS NRISHVPAAS ----R-FL-- N-I----PKVTTSCPQQ GLQAVPVGIP AASQRIFLHG ASSORIFLHG EDSERIFLON PKVTTSCPQQ GLQAVPTGIP P.MTVSCQAH NFAAIPEGIP P--T-SC---Murine NOGO-R3 Human NOGO-R3 Human NOGO-R2 Consensus Human NOGO-R1 Murine NOGO-R1

LRR NT

LEQLDLSDNA QLRSVDPATF HGLGRLHTLH LRR3 WLHSNVLARI DAAAFTGLAL LRR 2 101 Human NOGO-R1

150

QGLERLQSLH HGLGHLHTLH QGLVKLHALY QGLVKLHALY -GL--L--L-WLHSNALARI DAAAFTGLTL LEQLDLSDNA QLHVVDPTTF LEELDLGDNR QLRTLAPETF LEELDLGDNR QLRTLAPETF LEELDLGDNR HLRSLEPDTF -L----P-TF LE-LDL-DN-WIYSNNITFI APNTFEGFVH WIYSNNITYI HPSTEEGFVH WLFSNNLSTI YPGTFRHLOA W--SN---I Consensus Murine NOGO-R1 Murine NOGO-R3 Human NOGO-R3 Human NOGO-R2

EYLQDDIFVD LVNLSHLFLH LANLSHLFLH L-NL-HLFLH 200 QYLYLQDNAL QALPDDTFRD LGNLTHLFLH QALPDNTFRD LGNLTHLFLH LUNISHLFLH EYLQDDIFVD LYRCOLSSLP GNIFRGLVBL QYLYLQENSL LHLQDDLFAD LRR 5 QYLYLQDNNL OYLYLQDNHI OYLYLODNHI LDRCGLQELG PGLFRGLAAL LYKCGLSALP AGIFGGLHBL AGVEGGLHBL L--C-L--L------GL--L LDRGGLRELG PGLFRGLAAL LRR 4 LYKCGLSALP Human NOGO-R2 Murine NOGO-R3 Human NOGO-R3 Human NOGO-R1 Murine NOGO-R1

--L-D--F-D

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Consensus

Applicant : Strittmatter, S., et al.

Application No. : Not yet assigned

For : EPTOR HOMOLOGS
Attorney : Attorney : No. 43,117, Tel: (212) 596-9000

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5/6 FIG. 3, cont.

250	RLMTLYLFAN RLMTLYLFAN	RLTTLFLFUN RLTTLFLFUN	VHRAAFRGLS RLTILYLFNN	T 300	KFRGSSSEVP KFRGSSSEVP RFRGSSAVP	RFRGSSSAVP	R-SSS-V-	350	EEPLGLPKCC EELLSLPKCC	SDRAARKEHH TDRAARKEHH	. RGNSSSNH	400	RHINDSPFGT RHINDSPFGT	RNRNQISKVS	RNRNQI SKAG	
	VHPHAFRDLG RLMTLYLFAN VHPHAFRDLG RLMTLYLFAN	VННКА ЕН DLH VННКА ЕН DLR	VHRAAFEGLS RLTILYLFNN	LRRCT	RARPLWAWLO RARPLWAWLO RARSIWEWIR		RAR-LW-W		HPIWTGRATD RPIQTSQLTD	HQIKSHTLTT HOIKSHTLTT	TRPGSRA		DSPPGNGSGP	. KAGKNCTSH	. KPGKNCINP	
LRR 7	LLLHQNRVAH LLLHQNHVAR	LLLHENOLOW	LLLHGNRLQG			LNGNPWDCGC	LN-N-W-C-C		CSLPQRLAGR DLKRLAANDL QGCAVATGPY CNLPORLADR DLKRLAASDL EGCAVASGPF	RNCTGPVSP.	OACP. PAAP.	per as anomaly or a state of the state of th	NALKGRVPPG NALKGRVPPG	SGYK	PGHR	
	AFRGLHSLDR AFRGLHSLDR	IFRGLWNLDR TFRGLWNLDR	VFRGLGSLDR		NLSALPTEAL APLRALQYLR NLSMLPAEVL MPLRSLQYLR ST.TELOGOCT APLASTER R	SLSELQGECL APLGALEFLR SLAST PGEAL AND DST FFT P	LLLR		CSLPORLAGR DLKRLAANDL CNLPORLADR DLKRLAASDL	CATPELROGO DLKLLRVEDF RNCTGPVSP.	CATPPEROGR DLRALREADF CP DLLD-	and a second control of the second control o	LEPGRPASAG LEPGRPASAG	HPHGHPPGSR	HPHGPR	
201 LRR 6	GNRISSVPER AFRGLHSLDR GNRIPSVPEH AFRGLHSLDR	GNKLWSLGQG IFRGLVNLDR GNKLWSLGPG TFRGLVNLDR	GNRLRLLTEH VFRGLGSLDR	251 LRR 8	NLSALPTEAL APLRALQYLR NLSMLPAEVL MPLRSLQYLR ST.TET.OGDCT APT.VALEET.R	SLSELQGECL	-LLLLLLR	301	CSLPORLAGR	CATPELROGO CVSPGI RHGO	CATPPEROGR CP	351	QPDAADKASV QPDAADKASV	PSHGASRDKG	SPHGPTRSKG	
	Human NOGO-R1 Murine NOGO-R1	Murine NOGO-R3	Human NOGO-R2	;	Human NOGO-R1 Murine NOGO-R1	Human NOGO-R3	Consensus		Human NOGO-R1 Murine NOGO-R1	Murine NOGO-R3	Human NOGO-R2 Consensus		Human NOGO-R1 Murine NOGO-R1	Murine NOGO-R3	Human NOGO-R3	Consensus

Applicant : Strittmatter, S., et al.
Application No. : Not yet assigned
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Attorney : Elinor K. Shin,

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450	RTRSHCRLGQ	RTRSHCRLGQ	PIRAPSGVQQ	PIRAPSGVQQ	ACQAPPD	1 1 1 1 1 1 1 1							
	LPGSAEPPLT AVRPEGSEPP GFPTSGP RRRPGCSRKN RTRSHCRLGQ	LPSSAEPPLT ALRPGGSEPP GLPTTGP RRRPGCSRKN RTRSHCRLGQ	SGKELTELQ DYAPDYQHKF SFDIMPTARP KRKGKCARRT PIRAPSGVQQ	AGKQAPELP DYAPDYQHKF SFDIMPTARP KRKGKCARRT PIRAPSGVQQ	.QGGDAPTED DYWGGYGGED QRGEQMCPGA ACQAPPD	- R	s: 490	LVLWTVLGPC	LVLWTVLGPC	AVTLR~~~~	AVTLR~~~~	LLLVPHHL""	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	GFPTSGP	GLPTTGP	SFDIMPTARP	SFDIMPTARP	GGED	1 1 1 1 1 1 1 1	Putative GPI Signals	AGSGGGTGD SEGSGALPSL TCSLTPLGLA LVLWTVLGPC	AGSGASGTGD AEGSGALPAL ACSLAPLGLA LVLWTVLGPC	ASSGTALG APLLAWILGL AVTLR~~~~	ASSASSIG ASLLAWTIGL AVTLR"""	SRGPALSA GLPS PLLCL LLLVPHHL~~	
	AVRPEGSEPP	ALRPGGSEPP	DYAPDYQHKF	DYAPDYQHKF	DYWGGY	1 1 1 1 1 1 1 1	Pu	SEGSGALPSL	AEGSGALPAL	ASSGTALG	ASSASSLG	SRGPALSA	1 1 1 1 1 1 1
401	LPGSAEPPLT	LPSSAEPPLT	SGKELTELQ	. AGKQAPELP	. QGGDAPTED	1 1 1 1 1 1 1	451	AGSGGGGTGD	AGSGASGTGD	•		•	f
	Human NOGO-R1	Murine NOGO-R1	Murine NOGO-R3	Human NOGO-R3	Human NOGO-R2	Consensus		Human NOGO-R1	Murine NOGO-R1	Murine NOGO-R3	Human NOGO-R3	Human NOGO-R2	Consensus